Desert

Tropical Rain Forest

Taiga / Boreal Forest

Tropical Savanna

Temperate Forest

Tropical Seasonal Forest

Temperate Grassland

Tundra
Write the name of each biome in the correct position on the Whittaker Diagram.

* Desert
* Taiga / Boreal Forest
* Temperate Forest
* Temperate Grassland
* Tropical Rain Forest
* Tropical Savanna
* Tropical Seasonal Forest
* Tundra
Draw on the map to indicate what biome you find in various regions. Be sure to use each biome.

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There are 4 climate diagrams located on this page.
Draw a line connecting each climate diagram to the biome it represents on the Whittaker Diagram.
Global warming can influence biomes. You are deciding where you want to retire in 60 years, and you have narrowed down your decision to 5 locations. You have been given information concerning the present conditions, and model predictions of the areas 60 years in the future.

1. Place a mark on the Whittaker diagram for the temperature and precipitation combination found in a row from the left of the chart. Write down which biome you would find there. 2. Then, using the data on the right of the chart, draw an arrow, starting at your original mark, indicating how global warming could shift the temperature and precipitation. Write down which biome you would now find there. Do this for all 5 rows.

<table>
<thead>
<tr>
<th>Average Annual Temperature</th>
<th>Average Annual Precipitation</th>
<th>Which Biome Is This?</th>
<th>Increase in Average Annual Temperature</th>
<th>Change in Average Annual Precipitation</th>
<th>Which Biome is This After Change?</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°C</td>
<td>260cm</td>
<td></td>
<td>+2°C</td>
<td>-25cm</td>
<td></td>
</tr>
<tr>
<td>-5°C</td>
<td>75cm</td>
<td></td>
<td>+3°C</td>
<td>0cm</td>
<td></td>
</tr>
<tr>
<td>10°C</td>
<td>150cm</td>
<td></td>
<td>+3°C</td>
<td>+75cm</td>
<td></td>
</tr>
<tr>
<td>12°C</td>
<td>75cm</td>
<td></td>
<td>0°C</td>
<td>-50cm</td>
<td></td>
</tr>
<tr>
<td>18°C</td>
<td>140cm</td>
<td></td>
<td>+4°C</td>
<td>-50cm</td>
<td></td>
</tr>
</tbody>
</table>